

voice packets into longer frames, comprising:

receiving incoming voice and data signals;

compressing the incoming voice signals to digitized data packets when the incoming voice signals are uncompressed;

packaging the compressed digitized voice packets into a format compatible with web protocols;

bridging the incoming data signals to digitized data packets when the incoming digitized data signals are compressed;

packaging the bridged digitized data packets into a format compatible with web protocols;

combining the formatted digitized data packets into first long frames;

transmitting the first long frames over a data network,

receiving the first long frames in a central node switch;

disassembling the formatted data packets from the first long frames;

assembling the disassembled data packets into second long frames; and

transmitting the second long frames to switches.